



Internal Wireless Device Antenna 2400-2500 MHz/4900-6000 MHz



The evolution of technology has brought the need to communicate everywhere and at all times without being confined to one space. Lairds' internal wireless device antennas feature wide bandwidth to enhance the performance and application of portable wireless devices based on standards such as 802.11 and Bluetooth®. The antennas are specifically designed to be embedded inside devices for aesthetically-pleasing integration with high durability.

FEATURES AND BENEFITS

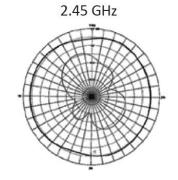
- Covers 2.4 to 2.5 GHz for 802.11b and
 4.9 to 6 GHz for 802.11a, and all US, European, and Japanese WLAN applications
- Coaxial cable pigtail with various connector choices
- Omnidirectional patterns and all frequencies with increased gain in upper bands for optimal coverage
- Conformance to European RoHS Directive

| SPECIFICATIONS | | | | |
|-------------------------------|-----------|---------------------------|------|--|
| Operating Frequency (MHz) | 2400-2500 | 5150-5350 | 5600 | |
| VSWR – Max | 2:1 | | | |
| Gain (dBi) | 2 | 3.9 | 4 | |
| Nominal Impedance (Ohms) | | 50 | | |
| Polarization | \ | Vertical, Omnidirectional | | |
| Dimensions – cm (in.) | | 5.08 x 1.65 (2.0 x 0.65) | | |
| Material Substance Compliance | | RoHS | | |

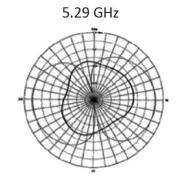
CONFIGURATION

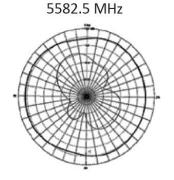
| MODEL NUMBER | PART NUMBER | CABLE LENGTH | CONNECTOR |
|-------------------|-------------|-------------------|-------------|
| NanoBlade – MMCX4 | CAF94504 | 100 mm, RG-178 | RA-MMCX |
| NanoBlade-IP04 | CAF94505 | 100 mm, Ø 1.13 mm | IPEX MHF |
| NanoBlade-MMCX4 | MAF95056 | 100 mm, RG-178 | Flying lead |
| MAF95090 | MAF95090 | 175 mm, Ø 1.13 mm | IPEX MHF |

RADIATION PATTERNS



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